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# MEAN WELL

## SWITCHING POWER SUPPLY

**ISO-9001 CERTIFIED MANUFACTURER**

**P30A -SINGLE SERIES**

**Jameco Part Number 221680 (P30A-6P2JU)**

.FULL RANGE AC INPUT
.COMPACT SIZE, LIGHT WEIGHT
.FULLY ENCLOSED PLASTIC CASE
.100% FULL LOAD BURN-IN TEST
.LED INDICATE FOR POWER ON
.SHORT CIRCUIT PROTECTED
.OVER LOAD PROTECTION
.OVER TEMP. PROTECTED
.OVER VOLTAGE PROTECTED
.APPROVALS:UL/CUL/TUV/CB/CE
.MTBF:500000HRS BY MIL-HDBK-217F, NOTICE 2, PARTS COUNT

| ORDER NO. / SPECIFICATION | P30A -0yyy | P30A -1yyy | P30A-1 -1yyy | P30A -2yyy | P30A -3yyy | P30A -4yyy | P30A -5yyy | P30A -6yyy | P30A -8yyy |
|---|---|---|---|---|---|---|---|---|---|
| SAFETY MODEL NO. | PSU30A -0 | PSU30A -1 | PSU30A-1-1 | PSU30A -2 | PSU30A -3 | PSU30A -4 | PSU30A -5 | PSU30A -6 | PSU30A -8 |
| DC OUTPUT VOLTAGE | 3.3V | 5V | 7.5V | 9V | 12V | 15V | 18V | 24V | 48V |
| OUTPUT V. TOLERANCE | ±5% | ±5% | ±5% | ±5% | ±3% | ±3% | ±3% | ±3% | ±2% |
| OUTPUT RATED CURRENT | 3.63A | 4A | 3.06A | 2.89A | 2.25A | 1.80A | 1.50A | 1.12A | 0.56A |
| OUTPUT CURRENT RANGE | 0-3.63A | 0-4A | 0-3.06A | 0-2.89A | 0-2.25A | 0-1.80A | 0-1.50A | 0-1.12A | 0-0.56A |
| RIPPLE & NOISE (p-p) | 50mV | 50mV | 80mV | 80mV | 80mV | 100mV | 100mV | 150mV | 150mV |
| LINE REGULATION | ±1% | ±1% | ±1% | ±1% | ±1% | ±1% | ±1% | ±1% | ±1% |
| LOAD REGULATION | ±5% | ±5% | ±5% | ±5% | ±3% | ±3% | ±3% | ±3% | ±2% |
| DC OUTPUT POWER | 12W | 20W | 23W | 26W | 27W | 27W | 27W | 27W | 27W |
| EFFICIENCY | 62% | 68% | 72% | 74% | 75% | 78% | 78% | 80% | 82% |
| DC VOLTAGE ADJ. | FIXED | | | | | | | | |
| INPUT VOLTAGE RANGE | 90~264VAC 47~63Hz | | | | | | | | |
| AC CURRENT | 0.8A/100VAC | | | | | | | | |
| AC INPUT CONNECTOR | IEC320-C14, 3PIN INLET | | | | | | | | |
| INRUSH CURRENT | COLD START < 60A PEAK @ 240VAC | | | | | | | | |
| LEAKAGE CURRENT | <0.75mA@240VAC | | | | | | | | |
| OVERLOAD PROTECTION | HICCUP MODE, RESET:AUTO RECOVERY | | | | | | | | |
| OVER VOLTAGE PROTECTION | 110%~140% | | | | | | | | |
| OVER TEMP. PROTECTION | IC1 Tj 135°C TYPICALLY POWER SHUTDOWN | | | | | | | | |
| TEMP. COEFFICIENT | ±0.03% / °C (0~50°C) | | | | | | | | |
| SETUP, RISE, HOLD UP TIME | 200ms, 50ms, 16ms | | | | | | | | |
| VIBRATION | 10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES | | | | | | | | |
| WITHSTAND VOLTAGE | I/P-O/P:3KVAC, I/P-FG:1.5KVAC FOR 1min. | | | | | | | | |
| ISOLATION RESISTANCE | I/P-O/P, I/P-FG:100M Ohms min.@500VDC | | | | | | | | |
| WORKING TEMP., HUMIDITY | 0°C~+30°C @ 100%LOAD, 40°C @ 70% LOAD, 20%~90% RH | | | | | | | | |
| STORAGE TEMP., HUMIDITY | -20°C~+85°C, 10%~95% RH | | | | | | | | |
| DIMENSION | 108*67*36mm (L*W*H) | | | | | | | | |
| WEIGHT; Q'TY/CARTON | 0.3Kgs; 54PCS/CARTON | | | | | | | | |
| SAFETY STANDARDS | UL1950, CSA22.2, EN60950 APPROVAL | | | | | | | | |
| EMC STANDARDS | EN55022 CLASS B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,11,ENV50204 VERIFICATION | | | | | | | | |
| LENGTH OF OUTPUT CABLE | 180cm OF SPT-1, 18AWG*2C | | | | | | | | |
| PLUG OF DC OUTPUT | STANDARD PLUG P2J:2.1¢*5.5¢*11mm, CENTER POSITIVE<br>yyy:TO BE DEFINED BY OUTPUT CABLE AND CONNECTOR | | | | | | | | |

NOTE:
1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2.TOLERANCE: INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5.LOAD REGULATION IS MEASURED FROM 0% TO 100% RATED LOAD.

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